Coordinate Geometry **Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **DIFFICULTY LEVEL: EASY Do your figuring here** | |
| 1. Which of the following inequalities represents the graph shown below on the real number line? |  |
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| 1. What is the slope of any line parallel to the line ? |  |
| 1. If two lines in the standard coordinate plane are perpendicular and the slope of one of the lines is , what is the slope of the other line? |  |
| **DIFFICULTY LEVEL: MEDIUM** |  |
| 1. What is the distance, in coordinate units, between the points (3, 5) and in the standard coordinate plane? |  |
| 1. Which of the following is an equation of the line that passes through the points and in the standard (x, y) coordinate plane? |  |
| 1. The graph of the line with the equation does not have points in what quadrant(s) on the standard (x, y) coordinate plane below? |  |
| **DIFFICULTY LEVEL: HARD** | **Do your figuring here** |
| 1. An angle in the standard position in the standard (x, y) coordinate plane has its vertex at the origin and its initial side on the positive x-axis. If the measure of the angle in the standard positions is 2,585°, it has the same terminal side as an angle of each of the following measures EXCEPT: |  |
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| 1. What is the perimeter of quadrilateral if it has vertices with coordinates , , and ? |  |

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